

Title (en)

SYSTEM AND METHOD FOR DETERMINING LOCATION AND SKEW OF CRANE GRAPPLING MEMBER

Title (de)

SYSTEM UND VERFAHREN ZUR BESTIMMUNG DER POSITION UND SCHRÄGE EINES KRANGREIFERELEMENTS

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTERMINATION DE L'EMPLACEMENT ET DE L'OBLIQUITÉ D'UN ÉLÉMENT DE PRÉHENSION DE GRUE

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Application

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Abstract (en)

[origin: WO2013011200A1] The invention relates to a system for determining the horizontal location and skew of a grapple member (2) of a crane, the system comprising at least two types of reflectors (5, 6) arranged on the grapple member (2), the relative locations and shapes of which are known; at least one scanning distance sensor (7) mounted on the crane to measure the distance (R) and direction (a) from the crane to the reflectors; and a data processing device arranged to store in its memory the relative locations and shapes of the reflectors; and to determine the horizontal location and skew of the grapple member (2) on the basis of at least the relative locations and shapes of the reflectors and measured distances and directions from the crane to the reflectors.

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